

ISO 11612:2008-11 (E)

Protective clothing - Clothing to protect against heat and flame

Contents		Page
Foreword		iv
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Clothing design	4
4.1	General	4
4.2	Sizes	4
4.3	Pockets	5
4.4	Hardware	5
4.5	Additional design requirements for molten splash protective garments	5
5	Sampling and pre-treatment	6
5.1	Sampling	6
5.2	Pre-treatment	6
5.3	Conditioning	6
6	General requirements	6
6.1	General	6
6.2	Heat resistance	7
6.3	Limited flame spread (code letter A1 and/or A2)	7
6.4	Dimensional change due to cleaning	8
6.5	Physical requirements	9
6.6	Optional requirement -- Resistance to water penetration (code letter W)	9
6.7	Ergonomic requirements	9
6.8	Fat content of leather	9
6.9	Innocuousness	10
7	Heat transmission performance requirements	10
7.1	General	10
7.2	Convective heat (code letter B)	10
7.3	Radiant heat (code letter C)	10
7.4	Molten aluminium splash (code letter D)	11
7.5	Molten iron splash (code letter E)	11
7.6	Contact heat (code letter F)	12
7.7	Optional requirement -- Protection against the thermal effects of an electric arc event	12
7.8	Optional test -- Whole garment testing for prediction of injury by burns	12
8	Marking	12
9	Information supplied by the manufacturer	13
Annex A (normative) Mechanical pre-treatment for metallized materials		14
Annex B (informative) Guidelines for clothing design		16
Annex C (informative) Prediction of burn injury using an instrumented manikin		17

Annex D (informative) Checking of basic ergonomic features of protective clothing	19
Annex E (informative) Risk assessment	21
Annex F (informative) Protection against the thermal effects of an electric arc event	22
Annex G (informative) Uncertainty of measurements	23
Bibliography	24